

# Test Report

No.: 70.431.25.17317.01

Date: 2025-10-21



**Applicant:** PF CONCEPT INTERNATIONAL COÖPERATIEF U.A.  
**Address:** SCHIPHOLWEG 59 2316 ZL LEIDEN THE NETHERLANDS  
**Item No:** 13012007-HGY/ 13012055-HNY/ 13012090-HCC  
**Description:** Picnic cooler BP  
**PO No.:** PO#671391  
**Vendor No.:** #11016  
**Factory No.:** #13945  
**Country of Origin:** CHINA  
**Country of Destination:** EU  
**Receipt Date of Sample:** 2025-09-08  
**Date of Testing:** 2025-09-08 ~ 2025-10-21  
**Sample Submitted:** The sample(s) was (were) submitted by applicant and identified.  
**Test Result:** Refer to the data listed in following pages

Test Item	Conclusion
1. EU - Regulation (EU) No 10/2011 and its amendments - Overall Migration	Pass
2. EU - Regulation (EU) No 10/2011 and its amendments - Specific Migration of Heavy Metals	Pass
3. EU- Regulation (EU) No 10/2011 and its amendments - Specific Migration of Bisphenol A	Pass
4. EU-Commission Regulation (EU) 2023/1442 amending Regulation (EU) No 10/2011 and its amendments - Special Migration of Phthalates	Pass
5. EU - Regulation (EU) No. 10/2011 and its amendments - Specific Migration of Primary Aromatic Amines(29)	Pass
6. EU - Regulation (EU) No. 10/2011 and its amendments - Specific Migration of Primary Aromatic Amines	Pass
7. EU- Regulation (EC) No. 1935/2004 - Sensory Test	Pass
8. EU - Regulation (EU) No. 10/2011 and its amendments - Phthalates Content	Pass
9. Polycyclic Aromatic Hydrocarbons (15 PAHs)	Pass
10. Client's requirement - Bisphenol A Content	Pass
11. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 63 - Lead Content	Pass
12. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 23 - Cadmium Content	Pass
13. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 43 - Azocolourants Content	Pass
14. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 51 & 52 - Phthalates Content	Pass
15. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Azo Dyes Content	Pass
16. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Dyestuff Content	Pass
17. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Phthalates Content	Pass
18. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Benzene Content	Pass
19. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Extractable heavy metals	Pass
20. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Quinoline	Pass
21. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Chlorotoluenes content	Pass



Test Item	Conclusion
22. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Polycyclic Aromatic Hydrocarbons (PAHs)	Pass
23. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - N,N-dimethylacetamide (DMAC) Content	Pass
24. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Formaldehyde Content	Pass
25. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320), 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328), 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327), 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350), 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) and Bumetrizole (UV-326)	<0.1%(W/W)
26. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Phthalates	Pass
27. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Tris(2-chloroethyl) phosphate (TCEP)	Pass
28. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - C,C-Azodi(formamide)	Pass
29. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Dibutylbis(pentane-2,4dionato-O,O')tin Content	<0.1%(W/W)
30. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) -2-methylimidazole Content	<0.1%(W/W)
31. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	<0.1%(W/W)
32. European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs) - Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	Pass

Remarks: 1. MDL = Method Detection Limit  
 2. ND = Not Detected (<MDL)  
 3. <= Less than  
 4. 1 mg/kg = 1 ppm = 0.0001%

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TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch  
Testing Center

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Description of Tested Subject:

Sample	Description	Photo
001	Picnic cooler BP 13012007-HGY	
002	Picnic cooler BP 13012055-HNY	

Sample	Description	Photo
003	Picnic cooler BP 13012090-HCC	

T. No	Sample	Description
T1	004	Dark grey PEVA (inner, 001~003)
T2	005	White plastic PP (tableware, 001~003)
T3	006	Grey PVC coated fabric (main, 001)
T4	007	Blue PVC coated fabric (main, 002)
T5	008	Black PVC coated fabric (main, 003)
T6	009	Black lining fabric (001~003)
T7	010	Black fabric (zipper tape, 001~003)
T8	011	Black plastic (zipper teeth, 001~003)
T9	012	Black metal (zipper head, 001~003)
T10	013	Black belt fabric (PP webbing, 001~003)
T11	014	Black binding (inside, 001~003)
T12	015	Black plastic (buckle, 001~003)
T13	016	Black rope fabric (zipper puller, 001~003)
T14	017	Black mesh fabric (side pocket/sleeve pocket, 001~003)
T15	018	Black mesh fabric (shoulder strap, 001~003)
T16	019	Black elastic band (side pocket/sleeve pocket, 001~003)
T17	020	White PE foam (inner, 001~003)
T18	021	White non-woven fabric (inner, 001~003)
T19	022	Black plastic PE (piping, 001~003)
T20	023	White coated fabric with black printing (inner label, 001~003)
T21	024	Black/white fabric (outer label, 001~003)



Test Result(s):

1. EU - Regulation (EU) No 10/2011 and its amendments - Overall Migration

EN1186-3:2022 overall migration in evaporable simulants.

- Migration Ratio: 4.0000 g/ 1.0000 dm<sup>2</sup>

Simulant(s) Used	Test Condition	Result(s) [mg/dm <sup>2</sup> ]			Maximum Permissible Limit [mg/dm <sup>2</sup> ]	Conclusion
		004 1 <sup>st</sup> Migration	004 2 <sup>nd</sup> Migration	004 3 <sup>rd</sup> Migration		
MPPO	40°C 10 days	<3	<3	<3	10	Pass

- Migration Ratio: 0.3200 L/ 2.9300 dm<sup>2</sup>

Simulant(s) Used	Test Condition	Result(s) [mg/dm <sup>2</sup> ]			Maximum Permissible Limit [mg/dm <sup>2</sup> ]	Conclusion
		005 1 <sup>st</sup> Migration	005 2 <sup>nd</sup> Migration	005 3 <sup>rd</sup> Migration		
10% Ethanol	70°C 2 hours	<3	<3	<3	10	Pass
3% Acetic acid	70°C 2 hours	<3	<3	<3	10	Pass
95% Ethanol	60°C 2 hours	<3	<3	<3	10	Pass
Isooctane	40°C 0.5 hour	<3	<3	<3	10	Pass





2. EU - Regulation (EU) No 10/2011 and its amendments - Specific Migration of Heavy Metals

Test with reference to in-house method(SOP No:TSPSB-TWI-C-216),determination by ICP-MS.

- Test condition: MPPO 40°C 24 hours

- Migration Ratio: 2.4g / 0.6 dm<sup>2</sup>

Test Item(s)	Result(s) [mg/kg]			Limit [mg/kg]	Conclusion
	004 1 <sup>st</sup> Migration	004 2 <sup>nd</sup> Migration	004 3 <sup>rd</sup> Migration		
Lithium (Li)	<0.1	<0.1	<0.1	0.6	Pass
Aluminium (Al)	<0.1	<0.1	<0.1	1	Pass
Chromium (Cr)	<0.01	<0.01	<0.01	ND	Pass
Manganese (Mn)	<0.1	<0.1	<0.1	0.6	Pass
Iron (Fe)	<5	<5	<5	48	Pass
Cobalt (Co)	<0.01	<0.01	<0.01	0.05	Pass
Nickel (Ni)	<0.01	<0.01	<0.01	0.02	Pass
Copper (Cu)	<1	<1	<1	5	Pass
Zinc (Zn)	<1	<1	<1	5	Pass
Arsenic (As)	<0.01	<0.01	<0.01	ND	Pass
Cadmium (Cd)	<0.002	<0.002	<0.002	ND	Pass
Antimony (Sb)	<0.01	<0.01	<0.01	0.04	Pass
Barium (Ba)	<0.1	<0.1	<0.1	1	Pass
Mercury (Hg)	<0.01	<0.01	<0.01	ND	Pass
Lead (Pb)	<0.01	<0.01	<0.01	ND	Pass
Lanthanum (La)	<0.01	<0.01	<0.01	-	-
Europium (Eu)	<0.01	<0.01	<0.01	-	-
Gadolinium (Gd)	<0.01	<0.01	<0.01	-	-
Terbium (Tb)	<0.01	<0.01	<0.01	-	-
Sum of [La, Eu, Gd, Tb]	<0.04	<0.04	<0.04	0.05	Pass



- Test condition: 3% Acetic acid 70°C 2 hours
- Migration Ratio: 0.3200 L/ 2.9300 dm<sup>2</sup>

Test Item(s)	Result(s) [mg/kg]			Limit [mg/kg]	Conclusion
	005 1 <sup>st</sup> Migration	005 2 <sup>nd</sup> Migration	005 3 <sup>rd</sup> Migration		
Lithium (Li)	<0.1	<0.1	<0.1	0.6	Pass
Aluminium (Al)	<0.1	<0.1	<0.1	1	Pass
Chromium (Cr)	<0.01	<0.01	<0.01	ND	Pass
Manganese (Mn)	<0.1	<0.1	<0.1	0.6	Pass
Iron (Fe)	<5	<5	<5	48	Pass
Cobalt (Co)	<0.01	<0.01	<0.01	0.05	Pass
Nickel (Ni)	<0.01	<0.01	<0.01	0.02	Pass
Copper (Cu)	<1	<1	<1	5	Pass
Zinc (Zn)	<1	<1	<1	5	Pass
Arsenic (As)	<0.01	<0.01	<0.01	ND	Pass
Cadmium (Cd)	<0.002	<0.002	<0.002	ND	Pass
Antimony (Sb)	<0.01	<0.01	<0.01	0.04	Pass
Barium (Ba)	<0.1	<0.1	<0.1	1	Pass
Mercury (Hg)	<0.01	<0.01	<0.01	ND	Pass
Lead (Pb)	<0.01	<0.01	<0.01	ND	Pass
Lanthanum (La)	<0.01	<0.01	<0.01	-	-
Europium (Eu)	<0.01	<0.01	<0.01	-	-
Gadolinium (Gd)	<0.01	<0.01	<0.01	-	-
Terbium (Tb)	<0.01	<0.01	<0.01	-	-
Sum of [La, Eu, Gd, Tb]	<0.04	<0.04	<0.04	0.05	Pass

3. EU- Regulation (EU) No 10/2011 and its amendments - Specific Migration of Bisphenol A

Test with reference to in-house method.

- Test condition: MPPO 40°C 24 hours
- Migration Ratio: 2.4g / 0.6 dm<sup>2</sup>

Test Item(s)	Result(s) [mg/kg]			Limit [mg/kg]	Conclusion
	004 1 <sup>st</sup> Migration	004 2 <sup>nd</sup> Migration	004 3 <sup>rd</sup> Migration		
BPA	<0.02	<0.02	<0.02	<0.05	Pass

- Test condition: 3% Acetic acid 70°C 2 hours
- Migration Ratio: 0.3200 L/ 2.9300 dm<sup>2</sup>

Test Item(s)	Result(s) [mg/kg]			Limit [mg/kg]	Conclusion
	005 1 <sup>st</sup> Migration	005 2 <sup>nd</sup> Migration	005 3 <sup>rd</sup> Migration		
BPA	<0.001	<0.001	<0.001	<0.05	Pass



4. EU-Commission Regulation (EU) 2023/1442 amending Regulation (EU) No 10/2011 and its amendments  
 - Special Migration of Phthalates

Test with reference to in-house method (SOP No:GB 31604.30-2016).

- Test condition: MPPO 40°C 24 hours
- Migration Ratio: 2.4g / 0.6 dm<sup>2</sup>

Test Item(s)	Result(s) [mg/kg]			Limit [mg/kg]	Conclusion
	004 1 <sup>st</sup> Migration	004 2 <sup>nd</sup> Migration	004 3 <sup>rd</sup> Migration		
Benzyl Butyl Phthalate (BBP)	<0.05	<0.05	<0.05	6	Pass
Di-2-ethylhexyl Phthalate (DEHP)	<0.05	<0.05	<0.05	0.6	Pass
Diallyl phthalate (DAP)	<0.01	<0.01	<0.01	ND	Pass
Dibutyl Phthalate (DBP)	<0.05	<0.05	<0.05	0.12	Pass
Sum of DIDP+DINP	<1	<1	<1	1.8	Pass
Sum of DBP+DIBP+BBP+DEHP	<0.505	<0.505	<0.505	0.6	Pass

- Test condition: 95% Ethanol 60°C 2 hours
- Migration Ratio: 0.3200 L/ 2.9300 dm<sup>2</sup>

Test Item(s)	Result(s) [mg/kg]			Limit [mg/kg]	Conclusion
	005 1 <sup>st</sup> Migration	005 2 <sup>nd</sup> Migration	005 3 <sup>rd</sup> Migration		
Benzyl Butyl Phthalate (BBP)	<0.05	<0.05	<0.05	6	Pass
Di-2-ethylhexyl Phthalate (DEHP)	<0.05	<0.05	<0.05	0.6	Pass
Diallyl phthalate (DAP)	<0.01	<0.01	<0.01	ND	Pass
Dibutyl Phthalate (DBP)	<0.05	<0.05	<0.05	0.12	Pass
Sum of DIDP+DINP	<1	<1	<1	1.8	Pass
Sum of DBP+DIBP+BBP+DEHP	<0.505	<0.505	<0.505	0.6	Pass



5. EU - Regulation (EU) No. 10/2011 and its amendments - Specific Migration of Primary Aromatic Amines(29)

Test with reference to in-house method(SOP No:TSPSB-TWI-C-117).

- Test condition: MPPO 40°C 24 hours
- Migration Ratio: 2.4g / 0.6 dm<sup>2</sup>

No.	Prohibited Amines	CAS No.	Limit [mg/kg]	Result(s) [mg/kg]		
				004 1 <sup>st</sup> Migration	004 2 <sup>nd</sup> Migration	004 3 <sup>rd</sup> Migration
1	2,4-Diaminoanisol	615-05-4	ND	<0.002	<0.002	<0.002
2	4-methyl-m-phenylenediamine	95-80-7	ND	<0.002	<0.002	<0.002
3	4-aminobiphenyl	92-67-1	ND	<0.002	<0.002	<0.002
4	benzidine	92-87-5	ND	<0.002	<0.002	<0.002
5	4-chloro-o-toluidine	95-69-2	ND	<0.002	<0.002	<0.002
6	2-naphthylamine	91-59-8	ND	<0.002	<0.002	<0.002
7	o-aminoazotoluene	97-56-3	ND	<0.002	<0.002	<0.002
8	5-nitro-o-toluidine	99-55-8	ND	<0.002	<0.002	<0.002
9	4-chloroaniline	106-47-8	ND	<0.002	<0.002	<0.002
10	4,4'-diaminodiphenylmethane	101-77-9	ND	<0.002	<0.002	<0.002
11	3,3'-dichlorobenzidine	91-94-1	ND	<0.002	<0.002	<0.002
12	3,3'-dimethoxybenzidine	119-90-4	ND	<0.002	<0.002	<0.002
13	3,3'-dimethylbenzidine	119-93-7	ND	<0.002	<0.002	<0.002
14	4,4'-methylenedi-o-toluidine	838-88-0	ND	<0.002	<0.002	<0.002
15	p-cresidine	120-71-8	ND	<0.002	<0.002	<0.002
16	4,4'-methylene-bis- (2-chloro-aniline)	101-14-4	ND	<0.002	<0.002	<0.002
17	4,4'-oxydianiline	101-80-4	ND	<0.002	<0.002	<0.002
18	4,4'-thiodianiline	139-65-1	ND	<0.002	<0.002	<0.002
19	o-toluidine	95-53-4	ND	<0.002	<0.002	<0.002
20	2,4,5-trimethylaniline	137-17-7	ND	<0.002	<0.002	<0.002
21	o-Anisidine	90-04-0	ND	<0.002	<0.002	<0.002
22	4-amino azobenzene	60-09-3	ND	<0.002	<0.002	<0.002
23	1,5- Diaminonaphthalene	2243-62-1	ND	<0.002	<0.002	<0.002
24	Aniline (ANL)	62-53-3	ND	<0.002	<0.002	<0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	ND	<0.002	<0.002	<0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	ND	<0.002	<0.002	<0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	ND	<0.002	<0.002	<0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	ND	<0.002	<0.002	<0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	ND	<0.002	<0.002	<0.002
Conclusion				Pass	Pass	Pass

# Test Report

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- Test condition: 3% Acetic acid 70°C 2 hours
- Migration Ratio: 0.3200 L/ 2.9300 dm<sup>2</sup>

No.	Prohibited Amines	CAS No.	Limit [mg/kg]	Result(s) [mg/kg]		
				005 1 <sup>st</sup> Migration	005 2 <sup>nd</sup> Migration	005 3 <sup>rd</sup> Migration
1	2,4-Diaminoanisol	615-05-4	ND	<0.002	<0.002	<0.002
2	4-methyl-m-phenylenediamine	95-80-7	ND	<0.002	<0.002	<0.002
3	4-aminobiphenyl	92-67-1	ND	<0.002	<0.002	<0.002
4	benzidine	92-87-5	ND	<0.002	<0.002	<0.002
5	4-chloro-o-toluidine	95-69-2	ND	<0.002	<0.002	<0.002
6	2-naphthylamine	91-59-8	ND	<0.002	<0.002	<0.002
7	o-aminoazotoluene	97-56-3	ND	<0.002	<0.002	<0.002
8	5-nitro-o-toluidine	99-55-8	ND	<0.002	<0.002	<0.002
9	4-chloroaniline	106-47-8	ND	<0.002	<0.002	<0.002
10	4,4'-diaminodiphenylmethane	101-77-9	ND	<0.002	<0.002	<0.002
11	3,3'-dichlorobenzidine	91-94-1	ND	<0.002	<0.002	<0.002
12	3,3'-dimethoxybenzidine	119-90-4	ND	<0.002	<0.002	<0.002
13	3,3'-dimethylbenzidine	119-93-7	ND	<0.002	<0.002	<0.002
14	4,4'-methylenedi-o-toluidine	838-88-0	ND	<0.002	<0.002	<0.002
15	p-cresidine	120-71-8	ND	<0.002	<0.002	<0.002
16	4,4'-methylene-bis- (2-chloro-aniline)	101-14-4	ND	<0.002	<0.002	<0.002
17	4,4'-oxydianiline	101-80-4	ND	<0.002	<0.002	<0.002
18	4,4'-thiodianiline	139-65-1	ND	<0.002	<0.002	<0.002
19	o-toluidine	95-53-4	ND	<0.002	<0.002	<0.002
20	2,4,5-trimethylaniline	137-17-7	ND	<0.002	<0.002	<0.002
21	o-Anisidine	90-04-0	ND	<0.002	<0.002	<0.002
22	4-amino azobenzene	60-09-3	ND	<0.002	<0.002	<0.002
23	1,5- Diaminonaphthalene	2243-62-1	ND	<0.002	<0.002	<0.002
24	Aniline (ANL)	62-53-3	ND	<0.002	<0.002	<0.002
25	2,4-Dimethylaniline (2,4-DMA)	95-68-1	ND	<0.002	<0.002	<0.002
26	2,6-Dimethylaniline (2,6-DMA)	87-62-7	ND	<0.002	<0.002	<0.002
27	m-Phenylenediamine (m-PDA)	108-45-2	ND	<0.002	<0.002	<0.002
28	p-Phenylenediamine (p-PDA)	106-50-3	ND	<0.002	<0.002	<0.002
29	2,6-Toluenediamine (2,6-TDA)	823-40-5	ND	<0.002	<0.002	<0.002
Conclusion				Pass	Pass	Pass



**6. EU - Regulation (EU) No. 10/2011 and its amendments - Specific Migration of Primary Aromatic Amines**  
 Test with reference to in-house method(TSPSB-TWI-C-024).

- Test condition: MPPO 40°C 24 hours
- Migration Ratio: 2.4g / 0.6 dm<sup>2</sup>

Test Item(s)	Result(s) [mg/kg]			Limit [mg/kg]	Conclusion
	004 1 <sup>st</sup> Migration	004 2 <sup>nd</sup> Migration	004 3 <sup>rd</sup> Migration		
Sum of PAA	<0.01	<0.01	<0.01	ND	Pass

- Test condition: 3% Acetic acid 70°C 2 hours
- Migration Ratio: 0.3200 L/ 2.9300 dm<sup>2</sup>

Test Item(s)	Result(s) [mg/kg]			Limit [mg/kg]	Conclusion
	005 1 <sup>st</sup> Migration	005 2 <sup>nd</sup> Migration	005 3 <sup>rd</sup> Migration		
Sum of PAA	<0.01	<0.01	<0.01	ND	Pass

**7. EU- Regulation (EC) No. 1935/2004 - Sensory Test**

Test with reference to DIN 10955:2024.

- Test condition: Distilled water (40°C 24 hours)

Sample(s)	Testing Parameter	Grading Result(s)	Recommended Level	Conclusion
001	Transfer of appearance	0	3	Pass
	Transfer of taste	0	3	Pass
	Transfer of smell	0	3	Pass

Note: Available grading are listed as follow:  
 Grading 0: No perceptible taste/smell deviation  
 1: Just perceptible taste/smell deviation  
 2: Weak taste/smell deviation  
 3: Clear taste/smell deviation  
 4: Strong taste/smell deviation



**8. EU - Regulation (EU) No. 10/2011 and its amendments - Phthalates Content**

Test with reference to in-house method,determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004	005
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.05	ND	ND
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	ND	ND
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	ND	ND
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	ND	ND
Di-isodecyl phthalate, (DIDP)	26761-40-0 /68515-49-1	%	0.005	0.1	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

**9. Polycyclic Aromatic Hydrocarbons (15 PAHs)**

Test with reference to AfPS GS 2019:01PAK, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004	005
Naphthalene	91-20-3	mg/kg	0.1	1	ND	ND
Phenanthrene	85-01-8	mg/kg	0.1	-	ND	ND
Anthracene	120-12-7	mg/kg	0.1	-	ND	ND
Fluoranthene	206-44-0	mg/kg	0.1	-	ND	ND
Pyrene	129-00-0	mg/kg	0.1	-	ND	ND
<b>Sum of 4 PAHs</b>	-	mg/kg	0.1	<b>1</b>	<b>ND</b>	<b>ND</b>
Benzo[a]anthracene	56-55-3	mg/kg	0.1	0.2	ND	ND
Chrysene	218-01-9	mg/kg	0.1	0.2	ND	ND
Benzo[b]fluoranthene	205-99-2	mg/kg	0.1	0.2	ND	ND
Benzo[j]fluoranthene	205-82-3	mg/kg	0.1	0.2	ND	ND
Benzo[k]fluoranthene	207-08-9	mg/kg	0.1	0.2	ND	ND
Benzo[a]pyrene	50-32-8	mg/kg	0.1	0.2	ND	ND
Benzo[e]pyrene	192-97-2	mg/kg	0.1	0.2	ND	ND
Benzo[ghi]perylene	191-24-2	mg/kg	0.1	0.2	ND	ND
dibenzo[ah]anthracene	53-70-3	mg/kg	0.1	0.2	ND	ND
Indeno[1,2,3-cd]pyrene	193-39-5	mg/kg	0.1	0.2	ND	ND
<b>Sum of detected 15 PAHs</b>	-	mg/kg	0.1	<b>1</b>	<b>ND</b>	<b>ND</b>
<b>Category</b>					<b>Category 1</b>	<b>Category 1</b>
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>



Remark: 1. Limit according to AfPS GS 2019:01PAK :

Parameter	Category 1	Category 2		Category 3	
		Used by children (mg/kg)	Other consumer products (mg/kg)	Used by children (mg/kg)	Other consumer products (mg/kg)
	Materials intended to be taken into the mouth, or materials in toys according to Directive 2009/48/EC or materials in articles intended for the use by children up to 3 years of age having long-term skin contact (more than 30s) within intended use	Materials that do not fall into category 1, with long-term skin contact (more than 30s) or repeated short-term skin contact within intended or foreseeable use		Materials that do neither fall into category 1 nor 2, with short-term skin contact (up to 30s) within foreseeable use	
Benzo[a]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[a]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoroanthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[j]fluoroanthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[k]fluoroanthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo[a,h]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[g,h,i]perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-c,d]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene, Pyrene, Anthracene, Fluoranthene	Sum < 1	Sum < 5	Sum < 10	Sum < 20	Sum < 50
Naphthalene	< 1	< 2		< 10	
Sum 15 PAH	< 1	< 5	< 10	< 20	< 50



10. Client's requirement - Bisphenol A Content

Test with reference to in-house method(SOP No:GTP-Chem-CPS-25120C.2017), determination by LC-MS-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004	005
Bisphenol A	80-05-7	mg/kg	0.1	0.1	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

11. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 63 - Lead Content

Test with reference to in-house method, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
004+020	mg/kg	10.0	500	11.9	Pass
005+011+015	mg/kg	10.0	500	11.8	Pass
006+007+008	mg/kg	10.0	500	ND	Pass
009+010+013	mg/kg	10.0	500	ND	Pass
012	mg/kg	10.0	500	34.9	Pass
014+016+017	mg/kg	10.0	500	ND	Pass
018+019+021	mg/kg	10.0	500	ND	Pass
022	mg/kg	10.0	500	11.0	Pass
023+024	mg/kg	10.0	500	ND	Pass

12. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 23 - Cadmium Content

Test with reference to EN 1122:2001 Method B, determination by ICP-OES.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
004+020	mg/kg	10.0	100	ND	Pass
005+011+015	mg/kg	10.0	100	ND	Pass
006+007+008	mg/kg	10.0	100	ND	Pass
009+010+013	mg/kg	10.0	100	ND	Pass
012	mg/kg	10.0	100	ND	Pass
014+016+017	mg/kg	10.0	100	ND	Pass
018+019+021	mg/kg	10.0	100	ND	Pass
022	mg/kg	10.0	100	ND	Pass
023+024	mg/kg	10.0	100	ND	Pass



13. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 43 - Azocolourants Content

Test with reference to EN ISO 14362-1:2017,determination by GC-MS,HPLC-DAD..

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					006+007+008 Colorant extraction	009+013+018 Colorant extraction
4-aminobiphenyl	92-67-1	mg/kg	5.0	30	ND	ND
Benzidine	92-87-5	mg/kg	5.0	30	ND	ND
4-chloro-o-toluidine	95-69-2	mg/kg	5.0	30	ND	ND
2-naphthylamine	91-59-8	mg/kg	5.0	30	ND	ND
o-aminoazotoluene	97-56-3	mg/kg	5.0	30	ND	ND
5-nitro-o-toluidine	99-55-8	mg/kg	5.0	30	ND	ND
4-chloroaniline	106-47-8	mg/kg	5.0	30	ND	ND
2,4-diaminoanisole	615-05-4	mg/kg	5.0	30	ND	ND
4,4'- diaminodiphenylmethane	101-77-9	mg/kg	5.0	30	ND	ND
3,3'-dichlorobenzidine	91-94-1	mg/kg	5.0	30	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	5.0	30	ND	ND
3,3'-dimethylbenzidine	119-93-7	mg/kg	5.0	30	ND	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	5.0	30	ND	ND
p-cresidine	120-71-8	mg/kg	5.0	30	ND	ND
4,4'-methylene-bis-(2-chloro- aniline)	101-14-4	mg/kg	5.0	30	ND	ND
4,4'-oxydianiline	101-80-4	mg/kg	5.0	30	ND	ND
4,4'-thiodianiline	139-65-1	mg/kg	5.0	30	ND	ND
o-toluidine	95-53-4	mg/kg	5.0	30	ND	ND
2,4-toluenediamine	95-80-7	mg/kg	5.0	30	ND	ND
2,4,5-trimethylaniline	137-17-7	mg/kg	5.0	30	ND	ND
2-methoxyaniline	90-04-0	mg/kg	5.0	30	ND	ND
2,4-xylidine	95-68-1	mg/kg	5.0	30	ND	ND
2,6-xylidine	87-62-7	mg/kg	5.0	30	ND	ND
4-aminoazobenzene	60-09-3	mg/kg	5.0	30	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

Interpretation of test results:

- (1) In the case of the measured value per amine component  $\leq 30$  mg/kg and according to the analysis carried out, the azo colourants banned under the Annex XVII of Regulation (EC) No. 1907/2006, REACH are not detected in the article submitted.
- (2) Banned AZO dyes in accordance to REACH regulation (EC) No. 1907/2006 and Amendment No. 552/2009 Annex XVII Item 43 (formerly known as 2002/61/EC)



14. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 51 & 52 - Phthalates Content

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004	006+007+008
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	%	0.005	-	ND	ND
Dibutyl phthalate, DBP	84-74-2	%	0.005	-	ND	ND
Benzyl butyl phthalate, BBP	85-68-7	%	0.005	-	ND	ND
Diisobutylphthalate, DIBP	84-69-5	%	0.005	-	ND	ND
<b>Sum of DBP, BBP, DEHP, DIBP</b>	-	%	0.005	<b>0.1</b>	<b>ND</b>	<b>ND</b>
Di-isononyl phthalate, DINP	28553-12-0 /68515-48-0	%	0.005	-	ND	ND
Di-isodecyl phthalate, DIDP	26761-40-0 /68515-49-1	%	0.005	-	ND	ND
Di-n-octyl phthalate, DNOP	117-84-0	%	0.005	-	ND	ND
<b>Sum of DINP, DIDP, DNOP</b>	-	%	0.005	<b>0.1</b>	<b>ND</b>	<b>ND</b>
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

15. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Azo Dyes Content

Test with reference to EN ISO 14362-1:2017,determination by GC-MS,HPLC-DAD.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					006+007+008 Colorant extraction	009+013+018 Colorant extraction
4-Chloro-o-toluidinium chloride	3165-93-3	mg/kg	5.0	30	ND	ND
2-Naphthylammoniumacetate	553-00-4	mg/kg	5.0	30	ND	ND
4-Methoxy-m-phenylene diammonium sulphate	39156-41-7	mg/kg	5.0	30	ND	ND
2,4,5-Trimethylaniline hydrochloride	21436-97-5	mg/kg	5.0	30	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

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## 16. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Dyestuff Content

Test with reference to DIN 54231:2022, determination by LC-MS-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					006+007+008	009+013+018
C.I. Basic Red 9	569-61-9	mg/kg	7.5	50	ND	ND
C.I. Disperse Blue 1	2475-45-8	mg/kg	7.5	50	ND	ND
Basic Violet 3	548-62-9	mg/kg	7.5	50	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

## 17. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Phthalates Content

Test with reference to ISO 14389:2022, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					006+007+008
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	mg/kg	50	-	ND
Bis(2-methoxyethyl)phthalate (DMEP)	117-82-8	mg/kg	50	-	ND
Diisopentyl phthalate (DiPP)	605-50-5	mg/kg	50	-	ND
Dipentyl phthalate (DPP)	131-18-0	mg/kg	50	-	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	mg/kg	50	-	ND
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	mg/kg	50	-	ND
Dibutyl phthalate, (DBP)	84-74-2	mg/kg	50	-	ND
Benzyl butyl phthalate, (BBP)	85-68-7	mg/kg	50	-	ND
Diisobutylphthalate, (DIBP)	84-69-5	mg/kg	50	-	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	mg/kg	50	-	ND
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	50	-	ND
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	mg/kg	50	-	ND
n-Pentyl-isopentylphthalate (nPiPP)	776297-69-9	mg/kg	50	-	ND
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	mg/kg	50	-	ND
Diisooctyl phthalate (DIOP)	27554-26-3	mg/kg	50	-	ND
Di-iso-hexyl phthalate, DiHxP	71850-09-4	mg/kg	50	-	ND
<b>Sum of detected phthalates</b>	-	mg/kg	50	<b>1000</b>	<b>ND</b>
<b>Conclusion</b>					<b>Pass</b>



18. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Benzene Content

Test with reference to US EPA 3550C:2007, determination by GC-MS.

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			006	007
Benzene	5	5	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			008	
Benzene	5	5	ND	
Conclusion			Pass	

19. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Extractable heavy metals

Test with reference to EN 16711-2:2015, determination by ICP-MS.

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			006	007
Cadmium As (Cd)	0.1	1	ND	ND
Arsenic As (As)	0.2	1	ND	ND
Chromium VI (Cr VI)*	0.5	1	ND	ND
Lead As (Pb)	0.2	1	ND	ND
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			008	009
Cadmium As (Cd)	0.1	1	ND	ND
Arsenic As (As)	0.2	1	ND	ND
Chromium VI (Cr VI)*	0.5	1	ND	ND
Lead As (Pb)	0.2	1	ND	ND
Conclusion			Pass	Pass



Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			013	018
Cadmium As (Cd)	0.1	1	ND	ND
Arsenic As (As)	0.2	1	ND	ND
Chromium VI (Cr VI)*	0.5	1	ND	ND
Lead As (Pb)	0.2	1	ND	ND
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>

Remark: \*=Chromium VI was determined by screening of chromium.

20. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Quinoline

Test with reference to DIN 54231:2022, determination by LC-MS.

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			006+007+008	009+013+018
Quinoline	10	50	ND	ND
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>

21. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Chlorotoluenes content

Test with reference to EN 17137:2018, determination by GC-MS.

Parameter	MDL [ppm]	Limit [ppm]	Result(s) [ppm]	
			006+007+008	009+013+018
p-Chlorobenzotrchloride	0.1	1	ND	ND
Benzotrchloride	0.1	1	ND	ND
BenzylChloride	0.1	1	ND	ND
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>



**22. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Polycyclic Aromatic Hydrocarbons (PAHs)**

Test with reference to AfPS GS 2019:01PAK, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					006+007+008	009+013+018
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.1	1	ND	ND
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.1	1	ND	ND
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.1	1	ND	ND
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.1	1	ND	ND
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.1	1	ND	ND
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.1	1	ND	ND
Chrysene (CHR)	218-01-9	mg/kg	0.1	1	ND	ND
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.1	1	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

**23. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - N,N-dimethylacetamide (DMAC) Content**

Test with reference to ISO 16189:2021, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					006+007+008	009+013+018
N,N-dimethylacetamide (DMAC)	127-19-5	mg/kg	50	3000	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

**24. Regulation (EC) No.1907/2006 (REACH) Annex XVII, Item 72 - Formaldehyde Content**

Test with reference to ISO 14184-1:2011, determination by UV-Vis.

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			006+007+008	009+013+018
Formaldehyde	16	75	ND	ND
<b>Conclusion</b>			<b>Pass</b>	<b>Pass</b>



25. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320), 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328), 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327), 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350), 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) and Bumetrizole (UV-326)

Test with reference to in-house method, determination by LC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004+005+010 +011+015+019+020+022	006+007+008+ 009+013+014+016+017+018+021
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	mg/kg	100	1000	ND	ND
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	mg/kg	100	1000	ND	ND
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	mg/kg	100	1000	ND	ND
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	mg/kg	100	1000	ND	ND
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	mg/kg	100	1000	ND	ND
Bumetrizole (UV-326)	3896-11-5	mg/kg	100	1000	ND	ND



**26. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Phthalates**

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004	006+007+008
Benzylbutylphthalate (BBP)	85-68-7	%	0.01	0.1	ND	ND
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	%	0.01	0.1	ND	ND
Dibutylphthalate (DBP)	84-74-2	%	0.01	0.1	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	%	0.01	0.1	ND	ND
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	%	0.01	0.1	ND	ND
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	%	0.01	0.1	ND	ND
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	%	0.01	0.1	ND	ND
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	%	0.01	0.1	ND	ND
Diisopentylphthalate (DIPP)	605-50-5	%	0.01	0.1	ND	ND
N-pentyl-isopentylphthalate	776297-69-9	%	0.01	0.1	ND	ND
Dipentyl phthalate (DPP)	131-18-0	%	0.01	0.1	ND	ND
Di-n-hexyl phthalate (DnHP/DHP/DHEXP)	84-75-3	%	0.01	0.1	ND	ND
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	%	0.01	0.1	ND	ND
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	68515-51-5, 68648-93-1	%	0.01	0.1	ND	ND
Dicyclohexyl phthalate(DCHP)	84-61-7	%	0.01	0.1	ND	ND
Diisohexyl phthalate (DIHxP)	71850-09-4	%	0.01	0.1	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>



**27. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Tris(2-chloroethyl) phosphate (TCEP)**

Test with reference to in-house method, determination by LC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004	006+007+008
Tris (2-chloroethyl) phosphate	115-96-8	%	0.01	0.1	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

**28. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - C,C'-Azodi(formamide)**

Test with reference to in house method,determination by LC.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					020
C,C'-azodi(formamide)	123-77-3	mg/kg	100	1000	ND
<b>Conclusion</b>					<b>Pass</b>

**29. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Dibutylbis(pentane-2,4dionato-O,O')tin Content**

Test with reference to in house method and determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004+005+010+011+015+019+020+022	006+007+008+009+013+014+016+017+018+021
Dibutylbis(pentane-2,4dionato-O,O')tin	22673-19-4 (245-152-0)	% w/w	0.01	0.1	ND	ND

**30. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) -2-methylimidazole Content**

Test with reference to in house method and determination by GC-MS,HPLC-DAD..

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004+005+010+011+015+019+020+022	006+007+008+009+013+014+016+017+018+021
2-methylimidazole	693-98-1	% w/w	0.01	0.1	ND	ND



**31. Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) - Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)**

Test with reference to in house method and determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004+005+010+011+015+019+020+022	006+007+008+009+013+014+016+017+018+021
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	-	% w/w	0.01	0.1	ND	ND

**32. European Parliament and Council Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs) - Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)**

Test with reference to in-house method, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					004	006+007+008
SCCP	85535-84-8	mg/kg	100	1500	ND	ND
<b>Conclusion</b>					<b>Pass</b>	<b>Pass</b>

-End of Test Report-